

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,059,400  
APPLICATION NO. : 08/949529  
DATED : May 9, 2000  
INVENTOR(S) : Makiko Kimura et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE:

[56] References Cited, under FOREIGN PATENT DOCUMENTS  
"5-45163" should read --59-45163--.

COLUMN 1:

Line 15, "apparatus;" should read --apparatus,--;  
Line 35, "head," should read --head--;  
Line 40, "bounced" should read --bounce--; and  
Line 52, "the residual" should read --residual--; and  
"orifice" should read --the orifice--.

COLUMN 2:

Line 35, "sufficient" should read --a sufficient--; and  
Line 36, "case." should read --cases.--.

COLUMN 3:

Line 19, "FIGS. 11(A-C)" should read --FIGS. 11A to 11C--;  
Line 44, "supporting" should read --a supporting--; and  
Line 49, "heat IJH," should read --head IJH,--.

COLUMN 5:

Line 55, "to" should be deleted.

COLUMN 6:

Line 4, "water repellent" should read --water-repellent--.

COLUMN 7:

Line 45, "take" should read --takes--.

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COLUMN 8:

Line 20, "inconventional device," should read  
--in conventional devices--;  
Line 31, "is" should read --are--; and  
Line 36, "combined" should read --combined with--.

COLUMN 10:

Line 12, "clutch" should read --a clutch--;  
Line 43, "reaches" should read --reach--; and  
Line 58, "form" should read --from--.

COLUMN 11:

Line 7, "smooth" should be deleted;  
Line 10, "marginaly" should read --marginal--; and  
Line 50, "embodiment 3." should read --Embodiment 3.--.

COLUMN 12:

Line 22, "FIG. 10" should read --FIG. 10,--;  
Line 34, "has" should read --does--;  
Line 36, "does" should read --has--; and  
Line 60, "Figure C," should read --FIG. 11C,--.

COLUMN 14:

Line 13, "method" should read --a method--;  
Line 26, "a" (first occurrence) should read --an--;  
Line 43, "have" should read --has--;  
Line 53, "100 the" should read --100 to the--; and  
Line 61, "02," should read -- $\Theta$ 2,--.

COLUMN 15:

Line 37, "Angle O" should read --Angle  $\Theta$ --.

COLUMN 17:

Line 2, "manner." should read --manners.--; and  
Line 57, "wiped" should read --be wiped--.

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COLUMN 18:

Line 67, "port 2 a" should read --port 2a--.

COLUMN 19:

Line 13, "and the" should read --and its--;  
Line 30, "aligned" should read --are aligned--;  
Line 48, "penetrate" should read --penetrates--;  
Line 52, "grooves 3a" should read --grooves 3A--; and  
Line 65, "grooves 3a" should read --grooves 3A--.

COLUMN 20:

Line 1, "grooves 3a" should read --grooves 3A--;  
Line 10, "embodiment" should read --embodiments--;  
Line 37, "of" should read --are--;  
Line 41, "system" should read --system--;  
Line 47, "provide" should read --provided--; and  
Line 51, "the the" should read --the--.

COLUMN 22:

Line 40, "comprising;" should read --comprising:--.

Signed and Sealed this

Twenty-seventh Day of November, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*